In the specification:

At page 23 replace the second to last paragraph (starting on line 23) with:

Next, the predicted signal peptide of mGluR4 was replaced with the predicted signal peptide and 87 bp of 5' UTR from phmGluR8 using a recombinant PCR strategy similar to those described above. The first reaction used a phmGluR8 construct with two primers, 3.1-535F (sense 21-mer, complementary to vector sequence upstream of the hmGluR8 insert; sequence 5'-ggcattatgcccagtacatga-3') (SEQ ID NO:51), and the hybrid primer 8/4RP (antisense 42-mer, containing 21 nucleotides complementary to human mGluR8 and 21 nucleotides complementary human mGluR4; sequence 5'-caagcctctcttcccaggcattttctccacaggtggtattgc-3') (SEQ ID NO:52). These primers were used to amplify a 469 bp PCR fragment of human mGluR8.

A1

At pages 23 and 24 replace the last paragraph starting on page 23 (line 32) and ending at the top of page 24 (line 6) with:

A2

In a separate PCR reaction using phmGluR4 as template, a 472 bp fragment of human mGluR4 was amplified using a hybrid primer 4/8RP (sense 42-mer, exactly complementary to primer 8/4RP) and oligo mG4-472R, (antisense 18-mer, complementary to the human mGluR4 cDNA; sequence 5'-ctgaagcaccgatgacac-3') (SEQ ID NO:53). The two PCR products generated from the above two reactions were annealed together in equimolar ratios in the presence of the external primers mG4-472R and 3.1-535F, and Turbo Pfu DNA polymerase (Strategene).

At page 28 replace the fourth paragraph (line 20) with:

To construct hGABA$_B$R1a*AAA*Gqo5, the first reaction used a commercially available

A3 T7 primer (Novagen) and the NtI hGBR1 primer

(CAGAGTCATGGCGGCCGCCTTATAAAGCAAATGCACTCG) (SEQ ID NO:54) corresponding

to nucleotide numbers 1-9 of hGα_qo5 and nucleotide numbers 2863-2883 of hGABA$_B$R1a.

At page 29 replace the second paragraph (line 6) with:

A4

The chimeric junction between the human 8SPmGluR4 and hCaR was created using a recombinant PCR strategy similar to those previously described. The first reaction used two primers, mG4-2028R (sense 19-mer, corresponding to nucleotides of human 8SPmGluR4; sequence 5'-catctaccgcatcttcgag-3') (SEQ ID NO:55), and the hybrid primer 4CT (antisense 42-mer, containing 21 nucleotides complementary to human 8SPmGluR4 and 21 nucleotides complementary human CaR; sequence 5'-acgcacctcctcgatggtgttctgctccgggtggaagaggat-3') (SEQ ID NO:56). These primers were used to amplify a 549 bp PCR fragment from human 8SPmGluR4.

At page 29 replace the third paragraph (line 14) with:

A5

In a separate PCR reaction, using phmGluR2//CaR*AAA*$G\alpha_q$i5 as a template, a 743 bp fragment of the human CaR*AAA*$G\alpha_q$i5 was amplified using the hybrid primer CT4 (sense 42-mer, exactly complementary to primer 4CT) and oligo Gaqi58R, (antisense 21-mer, complementary to $G\alpha_q$i5 cDNA; sequence 5'-ctcgatctcgtcgttgatccg-3') (SEQ ID NO:57). The two PCR products generated from the above two reactions were annealed together in equimolar ratios in the presence of the external primers mG4-2028R and Gaqi58R, and Pfu DNA polymerase (Stratagene).